

Craig

BIOTECHNOLOGY
SYSTEMS
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12/29/00

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/662,128

Source: 1632

Date Processed by STIC: 12/13/2000

RECEIVED

DEC 28 2000

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/662,128

DATE: 12/13/2000
TIME: 10:41:39

Input Set : A:\19733US0.txt
Output Set: N:\CRF3\12132000\I662128.raw

3 <110> APPLICANT: MIYAGAWA, SHUJI
4 OKABE, MASARU
6 <120> TITLE OF INVENTION: MODIFIED CRE RECOMBINASE GENE FOR MAMMALS
8 <130> FILE REFERENCE: 19733US0
10 <140> CURRENT APPLICATION NUMBER: 09/662,128
11 <141> CURRENT FILING DATE: 2000-09-14
13 <150> PRIOR APPLICATION NUMBER: JP11-264364
14 <151> PRIOR FILING DATE: 1999-09-17
16 <160> NUMBER OF SEQ ID NOS: 6
18 <170> SOFTWARE: PatentIn version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1050
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial/Unknown
25 <220> FEATURE:
26 <221> NAME/KEY: CDS
27 <222> LOCATION: (1)..(1050)
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <222> LOCATION: ()..()
32 <223> OTHER INFORMATION: Description of Artificial Sequence: gene
35 <400> SEQUENCE: 1
36 atg ccc aag aag aag agg gtg agc aac ctg ctg acc gtg cac cag
37 Met Pro Lys Lys Arg Lys Val Ser Asn Leu Leu Thr Val His Gln
38 1 5 10 15
40 aac ctg ccc gcc ctg ccc gtg gac gcc acc agc gac gag gtg cgc aag
41 Asn Leu Pro Ala Leu Pro Val Asp Ala Thr Ser Asp Glu Val Arg Lys
42 20 25 30
44 aac ctg atg gac atg ttc cgc gac cgc cag gcc ttc agc gag cac acc
45 Asn Leu Met Asp Met Phe Arg Asp Arg Gln Ala Phe Ser Glu His Thr
46 35 40 45
48 tgg aag atg ctg ctg agc gtg tgc cgc agc tgg gcc gcc tgg tgc aag
49 Trp Lys Met Leu Leu Ser Val Cys Arg Ser Trp Ala Ala Trp Cys Lys
50 50 55 60
52 ctg aac aac cgc aag tgg ttc ccc gcc gag ccc gag gac gtg cgc gac
53 Leu Asn Asn Arg Lys Trp Phe Pro Ala Glu Pro Glu Asp Val Arg Asp
54 65 70 75 80
56 tac ctg ctg tac ctg cag gcc cgc ggc ctg gcc gtg aag acc atc cag
57 Tyr Leu Leu Tyr Leu Gln Ala Arg Gly Leu Ala Val Lys Thr Ile Gln
58 85 90 95
60 cag cac ctg ggc cag ctg aac atg ctg cac cgc cgc aac ggc ctg ccc
61 Gln His Leu Gly Gln Leu Asn Met Leu His Arg Arg Ser Gly Leu Pro
62 100 105 110
64 cgc ccc agc gac aac aac qcc gtg agc ctg gtg atg cgc cgc atc cgc
65 Arg Pro Ser Asp Ser Asn Ala Val Ser Leu Val Met Arg Arg Ile Arg
66 115 120 125
68 aag gag aac gtg gac gcc ggc gag cgc gac aag cag gcc ctg gcc ttc

Does Not Comply
Corrected Diskette Needed

pp 1-4

Per 1.823 of new Sequence Rules,
<213> response is either Unknown,
Artificial Sequence, or
Scientific name
(genus/species)

One of the above

Since <223> response
is "Description of
Artificial Sequence,"
use Artificial Sequence
as <213> response.

RAW SEQUENCE LISTING
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Input Set : A:\19733US0.txt
Output Set: N:\CRF3\12132000\I662128.raw

69 Lys Glu Asn Val Asp Ala Gly Glu Arg Ala Lys Gln Ala Leu Ala Phe
 70 130 135 140
 72 gag cgc acc gac ttc qac caq qtg cgc aqc ctg atq qag aac aqc gac 480
 73 Glu Arg Thr Asp Phe Asp Gln Val Arg Ser Leu Met Glu Asn Ser Asp
 74 145 150 155 160
 76 cgc tgc cag gac atc cgc aac ctg gcc ttc ctg ggc atc gcc tac aac
 77 Arg Cys Gln Asp Ile Arg Asn Leu Ala Phe Leu Gly Ile Ala Tyr Asn
 78 165 170 175
 80 acc ctg ctg cgc atc gcc gag atc gcc cgc atc cgc gtg aag gac atc
 81 Thr Leu Leu Arg Ile Ala Glu Ile Ala Arg Ile Arg Val Lys Asp Ile 576
 82 180 185 190
 84 agc cgc acc gac ggc ggc cgc atq ctg atc cac atc qgc cgc acc aag 624
 85 Ser Arg Thr Asp Gly Gly Arg Met Leu Ile His Ile Gly Arg Thr Lys
 86 195 200 205
 88 acc ctg gtg ayc acc gcc ggc gtg qag aag gcc ctg ayc ctg ggc gtg 672
 89 Thr Leu Val Ser Thr Ala Gly Val Glu Lys Ala Leu Ser Leu Gly Val
 90 210 215 220
 92 acc aag ctg gtg qag cgc tgg atc ayc qtg ayc ggc gtg ggc qac gac 720
 93 Thr Lys Leu Val Glu Arg Trp Ile Ser Val Ser Gly Val Ala Asp Asp
 94 225 230 235 240
 96 ccc aac aac tac ctg ttc tgc cgc gtg cgc aag aac ggc gtg qcc gcc
 97 Pro Asn Asn Tyr Leu Phe Cys Arg Val Arg Lys Asn Gly Val Ala Ala 768
 98 245 250 255
 100 ccc ayc gcc acc ayc cag ctg ayc acc cgg gcc ctg qag ggc ayc atc 816
 101 Pro Ser Ala Thr Ser Gln Leu Ser Thr Arg Ala Leu Glu Gly Ile Phe
 102 260 265 270
 104 gag gcc acc cac cgc ctg atc tac qgc gcc aag gac gac ayc ggc cag 864
 105 Glu Ala Thr His Arg Leu Ile Tyr Gly Ala Lys Asp Asp Ser Gly Gin
 106 275 280 285
 108 cgc tac ctg gcc tgg ayc ggc cac ayc gcc cgc gtg ggc gcc gcc cgc 912
 109 Arg Tyr Leu Ala Trp Ser Gly His Ser Ala Arg Val Gly Ala Ala Arg
 110 290 295 300
 112 gac atg gcc cgc gcc ggc gtg ayc atc ccc gag atc atg cag gcc ggc 960
 113 Asp Met Ala Arg Ala Gly Val Ser Ile Pro Glu Ile Met Gln Ala Gly
 114 305 310 315 320
 116 ggc tgg acc aac gtg aac atc gtg atg aac tac atc cgc aac ctg gac 1008
 117 Gly Trp Thr Asn Val Asn Ile Val Met Asn Tyr Ile Arg Asn Leu Asp
 118 325 330 335
 120 ayc gag acc ggc gcc atg gtg cgc ctg ctg gag gac ggc gac 1050
 121 Ser Glu Thr Gly Ala Met Val Arg Leu Leu Glu Asp Gly Asp
 122 340 345 350
 125 <210> SEQ ID NO: 2
 126 <211> LENGTH: 350
 127 <212> TYPE: PRT
 128 <213> ORGANISM: Artificial/Unknown
 130 <220> FEATURE:
 131 <221> NAME/KEY: misc_feature
 132 <222> LOCATION: ()..()
 133 <223> OTHER INFORMATION: Description of Artificial Sequence: gene

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/662,128
 DATE: 12/13/2000
 TIME: 10:41:39

Input Set : A:\19733US0.txt
 Output Set: N:\CRF3\12132000\I662128.raw

135 <400> SEQUENCE: 2
 137 Met Pro Lys Lys Arg Lys Val Ser Asn Leu Leu Thr Val His Gln
 138 1 5 10 15
 141 Asn Leu Pro Ala Leu Pro Val Asp Ala Thr Ser Asp Glu Val Arg Lys
 142 20 25 30
 145 Asn Leu Met Asp Met Phe Arg Asp Arg Gln Ala Phe Ser Glu His Thr
 146 35 40 45
 149 Trp Lys Met Leu Leu Ser Val Cys Arg Ser Trp Ala Ala Trp Cys Lys
 150 50 55 60
 153 Leu Asn Asn Arg Lys Trp Phe Pro Ala Glu Pro Glu Asp Val Arg Asp
 154 65 70 75 80
 157 Tyr Leu Leu Tyr Leu Gln Ala Arg Gly Leu Ala Val Lys Thr Ile Gln
 158 85 90 95
 161 Gln His Leu Gly Gln Leu Asn Met Leu His Arg Arg Ser Gly Leu Pro
 162 100 105 110
 165 Arg Pro Ser Asp Ser Asn Ala Val Ser Leu Val Met Arg Arg Ile Arg
 166 115 120 125
 169 Lys Glu Asn Val Asp Ala Gly Glu Arg Ala Lys Gln Ala Leu Ala Phe
 170 130 135 140
 173 Glu Arg Thr Asp Phe Asp Gln Val Arg Ser Leu Met Glu Asn Ser Asp
 174 145 150 155 160
 177 Arg Cys Gln Asp Ile Arg Asn Leu Ala Phe Leu Gly Ile Ala Tyr Asn
 178 165 170 175
 181 Thr Leu Leu Arg Ile Ala Glu Ile Ala Arg Ile Arg Val Lys Asp Ile
 182 180 185 190
 185 Ser Arg Thr Asp Gly Gly Arg Met Leu Ile His Ile Gly Arg Thr Lys
 186 195 200 205
 189 Thr Leu Val Ser Thr Ala Gly Val Glu Lys Ala Leu Ser Leu Gly Val
 190 210 215 220
 193 Thr Lys Leu Val Glu Arg Trp Ile Ser Val Ser Gly Val Ala Asp Asp
 194 225 230 235 240
 197 Pro Asn Asn Tyr Leu Phe Cys Arg Val Arg Lys Asn Gly Val Ala Ala
 198 245 250 255
 201 Pro Ser Ala Thr Ser Gln Leu Ser Thr Arg Ala Leu Glu Gly Ile Phe
 202 260 265 270
 205 Glu Ala Thr His Arg Leu Ile Tyr Gly Ala Lys Asp Asp Ser Gly Gln
 206 275 280 285
 209 Arg Tyr Leu Ala Trp Ser Gly His Ser Ala Arg Val Gly Ala Ala Arg
 210 290 295 300
 213 Asp Met Ala Arg Ala Gly Val Ser Ile Pro Glu Ile Met Gln Ala Gly
 214 305 310 315 320
 217 Gly Trp Thr Asn Val Asn Ile Val Met Asn Tyr Ile Arg Asn Leu Asp
 218 325 330 335
 221 Ser Glu Thr Gly Ala Met Val Arg Leu Leu Glu Asp Gly Asp
 222 340 345 350
 225 <210> SEQ ID NO: 3
 226 <211> LENGTH: 34
 227 <212> TYPE: DNA
 228 <213> ORGANISM: Artificial/Unknown

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/662,128

DATE: 12/13/2000
TIME: 10:41:39

Input Set : A:\19733US0.txt
Output Set: N:\CRF3\12132000\I662128.raw

230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <222> LOCATION: ()..()
233 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
236 <400> SEQUENCE: 3
237 ataaacctcgat atagcataca ttatacgaag ttat 34
240 <210> SEQ ID NO: 4
241 <211> LENGTH: 29
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial/Unknown
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: ()..()
248 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
251 <400> SEQUENCE: 4
252 ttcgtataqc ataqattata cgaagttat 29
255 <210> SEQ ID NO: 5
256 <211> LENGTH: 29
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial/Unknown
260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: ()..()
263 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
266 <400> SEQUENCE: 5
267 ataaacctcgat atagcataca ttatacgaat 29
270 <210> SEQ ID NO: 6
271 <211> LENGTH: 21
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial/Unknown
275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: ()..()
278 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
281 <400> SEQUENCE: 6
282 cccaagaaga agaggaaggt g 21

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/662,128 DATE: 12/13/2000
TIME: 10:41:40
Input Set : A:\19733US0.txt
Output Set: N:\CRF3\12132000\I662128.raw